

AUTOMATIC POSITION REPORTING SYSTEM (APRS)

Mike Heskett
WB5QLD

Rng1024 Nmiles
Lat 39 03.38N
Lon 095 33.64W

At 1918 ing USA.map

VE6

VE5

VE4

VE2

Best MAP!

0

9

8

2

1

3

6

5

CALL-AREAS

XE-XP

!<- 1024 Statute Mi -->!

Track Memory is 0 % full.

AGENDA

- ◆ *Introduction to APRS*
 - ◆ *What is APRS?*
 - ◆ *How can APRS be used?*
- ◆ *Supported Platforms*
- ◆ *Supported Products*
- ◆ *Advanced Topics*
 - ◆ *APRS / Weather Reporting*

What is APRS?

- ◆ *Unlike other Packet programs*
- ◆ *Reporting System*
- ◆ *Uses Unnumbered Information (UI)*
- ◆ *Station/Position/Object Reports*
- ◆ *One-line Messages*

What is APRS

- ◆ *Types of APRS Stations*
 - ◆ *Typical Home Config*
 - ◆ *Mobile Trackers*
 - ◆ *Full Tracker*
 - ◆ *Stand-alone Tracker*
 - ◆ *MIC-E*

How can APRS be used? (Applications)

- ◆ *Space Applications*
- ◆ *DX Cluster*
- ◆ *Public Service Events*



Rng .5 Nmiles
Lat 32 45.53N
Lon 097 20.50W

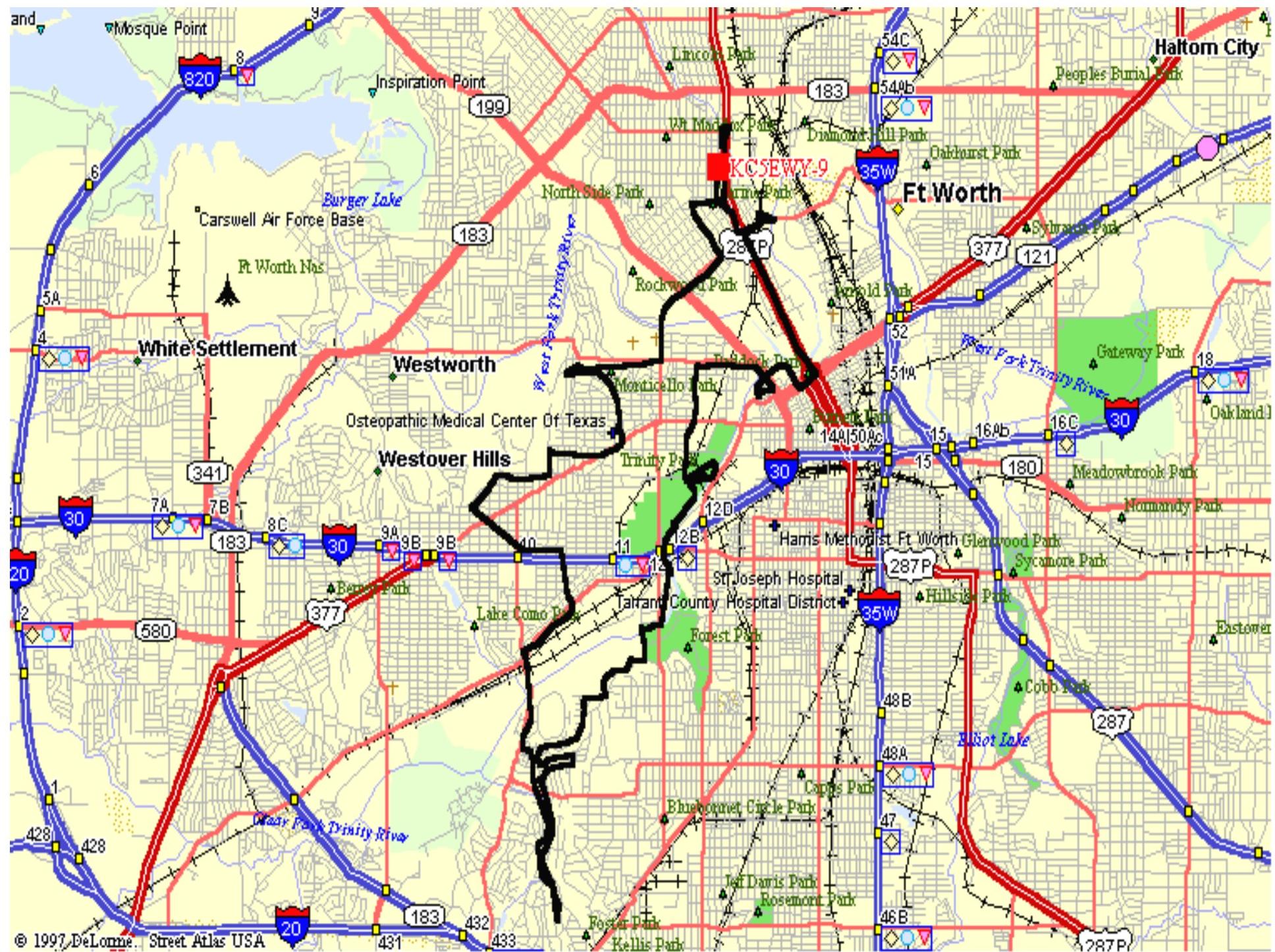
Features OFF = C

PAUSE! Hit (P) to continue



REPLAY CMDS: PgUp/Dn, HOME, Dots, Calls, Grid, Fast, Med, Slow, Pause, Quit

AA5YF-9 241401 0242001z3245.34N/09720.60W>332/004/raw*/good RMC Fix



How can APRS be used? (Applications)

- ◆ *Weather Station Reporting*
- ◆ *SKYWARN*
- ◆ *Stolen Vehicle Locator*
- ◆ *Direction Finding*

How can APRS be used?

- ◆ *Frequency*
- ◆ *Digipeaters*
 - ◆ RELAY
 - ◆ WIDE
- ◆ *Gateways*

How to get more info

- ◆ *Subscribe to APRSSIG mailserver*
 - ◆ www.tapr.org
- ◆ *Get APRS and READ, READ, READ the DOC files*
- ◆ *E-Mail*
 - ◆ mheskett@startext.net

How to get more info

- ◆ *WWW Sites*
 - ◆ *Dallas/Fort Worth APRS Unofficial Home Page*
 - ◆ *<http://www.startext.net/homes/rcasey/aprs.htm>*
 - ◆ *Mike Heskett's Home Page*
 - ◆ *<http://www.startext.net/homes/mheskett/>*

How to get APRS

- ◆ *TAPR*
 - ◆ WWW <http://www.tapr.org/>
 - ◆ FTP <ftp://ftp.tapr.org/tapr/SIG/aprssig>
- ◆ *Rutgers*
 - ◆ *APRS - WinAPRS - RUTGERS*
 - ◆ <http://aprs.rutgers.edu/>

Supported Platforms

- ◆ *DOS*
- ◆ *MAC*
- ◆ *WINDOWS*

Supported Products

- ◆ *APRSdos*
- ◆ *MacAPRS*
- ◆ *WinAPRS*
- ◆ *APRSPLUS (APRSA4; APRS+SA)*
- ◆ *JAVAprs*
- ◆ *APRServe*

Which one should I choose?

- ◆ *Only two easy answers*
 - ◆ *Mac User*
 - ◆ *Low end PC User*
- ◆ *The rest are trade-offs*
 - ◆ *Win 95*
 - ◆ *Win 3.1 - 3.11*

Map2a.sa5 - DeLorme Street Atlas USA

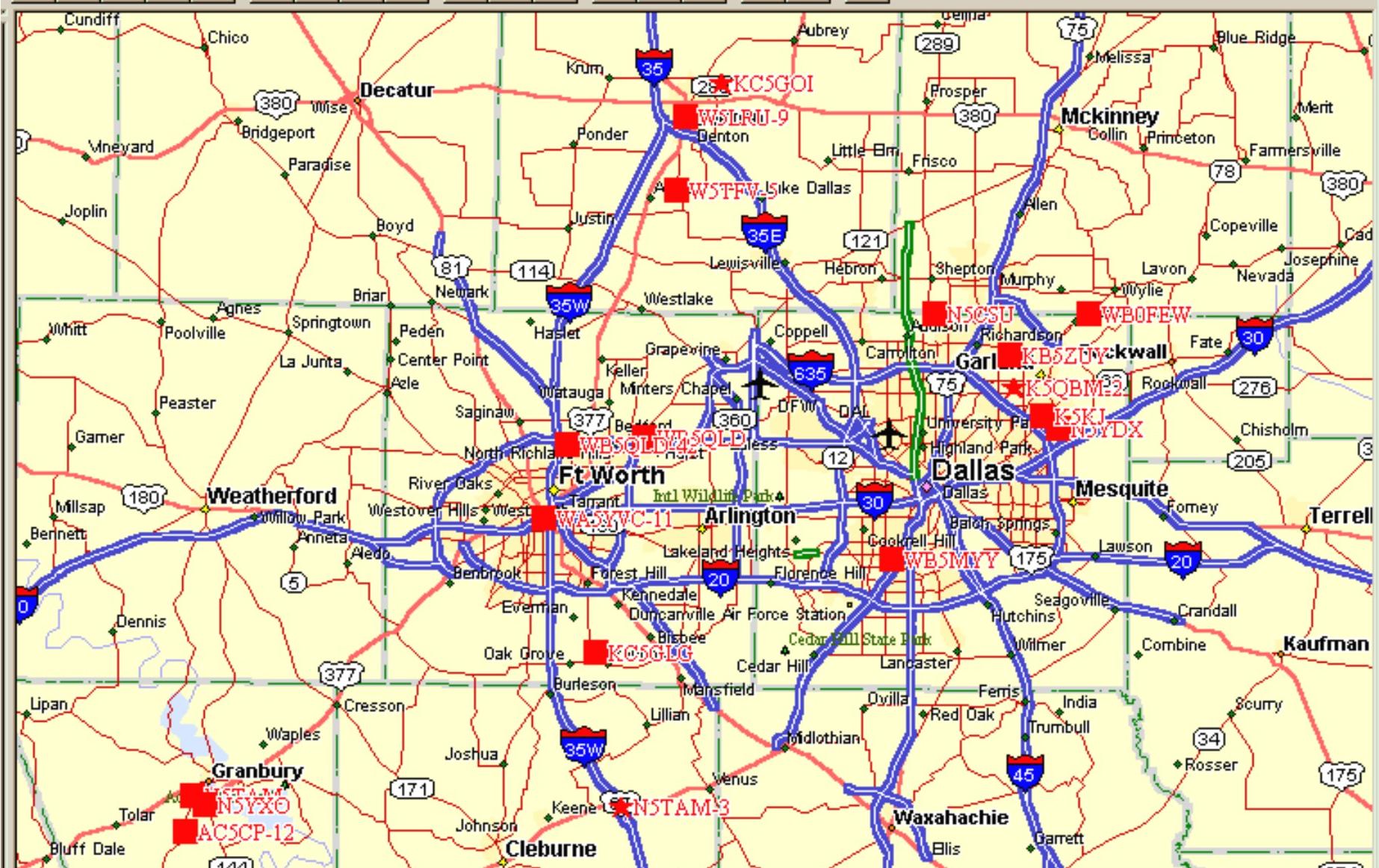
File Edit Search View Options Route GPS On-line Help



Office



Microsoft



N32° 20.6' W97° 52.5'

mag 9

10 miles



Map2a.sa5 - DeLorme Stre...

APRS+Street Atlas ...

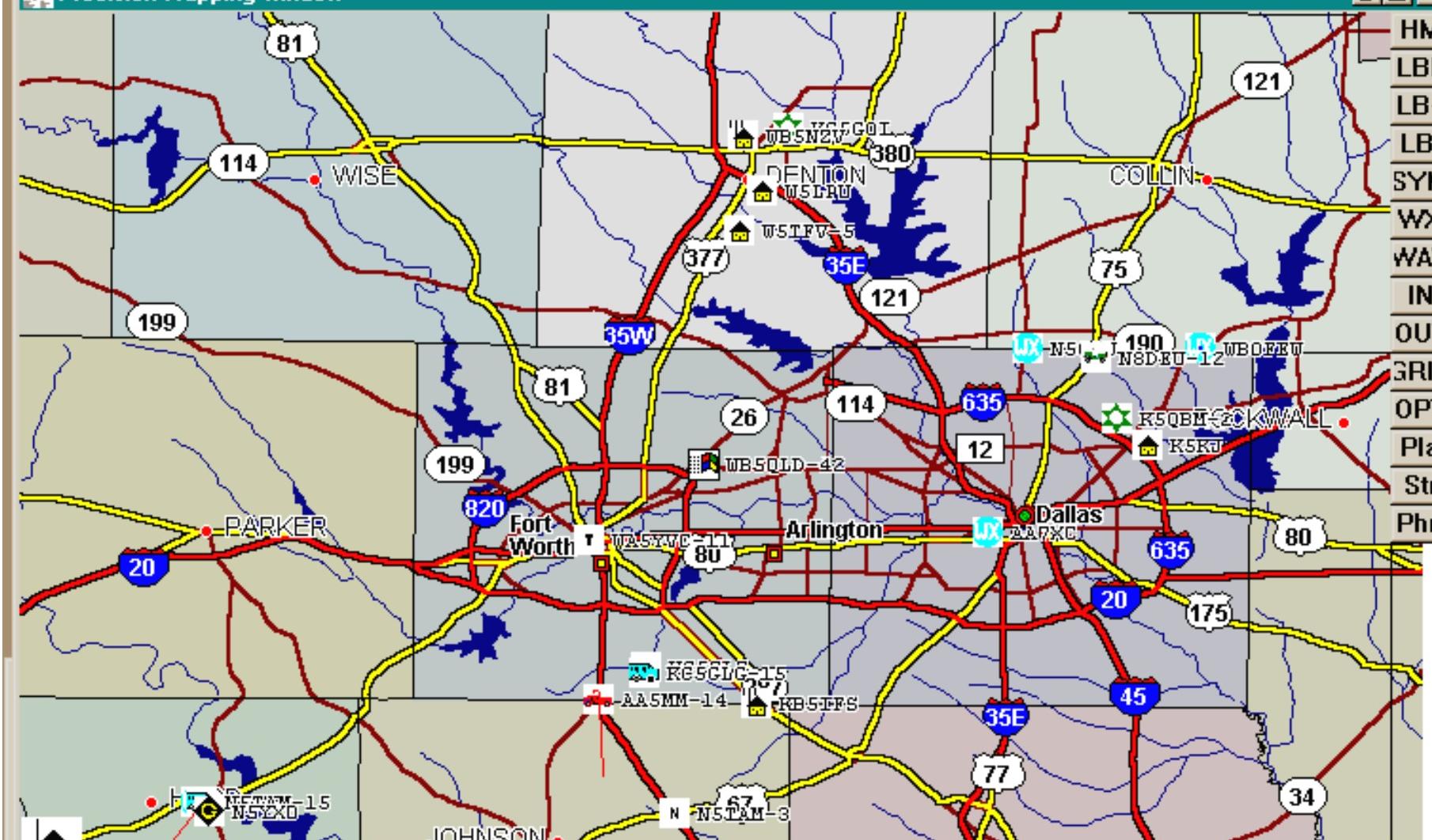


7:44 PM



File Edit Settings Logging Maps Display Lists Windows Help

Precision Mapping window

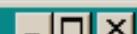


WB5QLD Packets 262

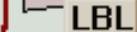
Lat 32 50' 33"N

Lon 97 11' 29"W

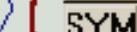
EM12JU



Office



SYM



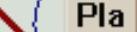
WX



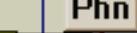
WAY



IN



OUT



GRID



OPT



Pla

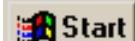


Str



Phn

Microsoft



WinAPRS



10:26 PM

Advanced Topics

- ◆ *APRS / WX*
 - ◆ *Automated WX Stations*
 - ◆ *Spotter Location*
 - ◆ *Adding WX Related Objects*
 - ◆ *County Warnings*
 - ◆ *APRS at NWS*

Summary

- ◆ “Real” applications
- ◆ Fun
- ◆ More APRS stations needed
- ◆ More WX stations needed

Questions

?